



TFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Fuk Ho Pius Ng et al.
Appln. No.: 10/822,362
Filed : April 12, 2004
For : SHIFT AND RECODE MULTIPLIER
Docket No.: M102.12-0005

Group Art Unit:
Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-2450, THIS

12 DAY OF July, 2004

PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed.

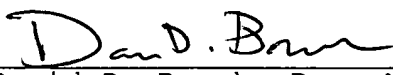
TIME OF FILING

The information disclosure statement is being filed:

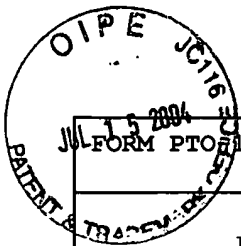
1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,
WESTMAN, CHAMPLIN & KELLY, P.A.

By: 
David D. Brush, Reg. No. 34,557
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222
Fax: (612) 334-3312

DDB:tkj

JUL 15 2004
FORM PTO 1449Atty. Docket No.:
M102.12-0005Appl. No.:
10/822,362LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

First Named Inventor:

Fuk Ho Pius Ng et al.

Filing Date

Group Art:

April 12, 2004

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL						
AM						
AN						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A O	"Signed Multiplication", http://www.unf.edu/~sward/Execution_Units/Signed_Multiplication/signed_multiplication.html , University of North Florida, 1999, 1 page.
A P	"The Wallace Tree", http://www-2.cs.cmu.edu/afs/cs.cmu.edu/academic/class/15828-s98/lectures/0126/index.htm , Spring 1998, 4 pages.
A Q	Geoff Knagge, "ASIC Design for Signal Processing", http://www.geoffknagge.com/fyp/booth.shtml , 2 nd ed., May 8, 2003, pp. 1-4.
A R	M. Bohsali and M. Doan, "Rectangular Styled Wallace Tree Multipliers", http://www.eecs.berkeley.edu/~mounir/ee241/ee241_final_report.pdf , May 12, 2003, pp. 1-9.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.